

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 59217

DST#: 1

Test Start: 2014.11.13 @ 07:35:15

GENERAL INFORMATION:

Formation: **Toronto-LKC G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:09:15

Time Test Ended: 20:14:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 3851.00 ft (KB) To 4025.00 ft (KB) (TVD)

Reference Elevations: 2817.00 ft (KB)

Total Depth: 4025.00 ft (KB) (TVD)

2804.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8737 Outside

Press@RunDepth: 473.21 psig @ 3862.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.13

End Date:

2014.11.13

Last Calib.: 2014.11.13

Start Time: 07:35:15

End Time:

20:14:15

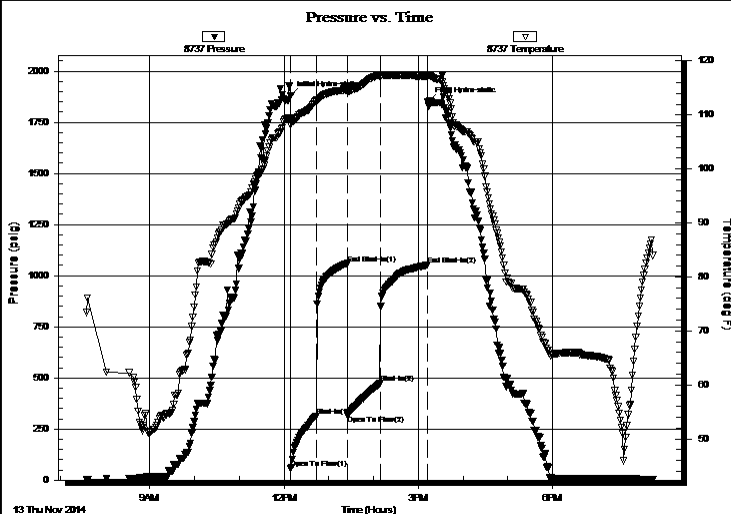
Time On Btm: 2014.11.13 @ 12:09:00

Time Off Btm: 2014.11.13 @ 15:13:00

TEST COMMENT: IF:BOB in 4 min.
IS:No return blow
FF:BOB in 7 min.
FS:No return blow

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1880.83	109.21	Initial Hydro-static
1	57.04	108.25	Open To Flow (1)
34	314.19	112.61	Shut-In(1)
76	1059.54	114.65	End Shut-In(1)
77	319.11	114.44	Open To Flow (2)
120	473.21	117.16	Shut-In(2)
183	1051.78	117.19	End Shut-In(2)
184	1850.54	117.47	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
248.00	mcw 30% m 70% w	0.00
186.00	w cm 40% w 60% m w ith a trace of oil	2.61
496.00	mud w ith oil spots 100% m	6.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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Job Ticket: 59217

DST#: 1

Test Start: 2014.11.13 @ 07:35:15

Formation: **Toronto-LKC G**

Deviated:	No	Whipstock:	ft (KB)
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Time Tool Opened: 12:09:15

Time Test Ended: 20:14:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 3851.00 ft (KB) To 4025.00 ft (KB) (TVD)

Total Depth: 4025.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Fair

Reference Elevations: 2817.00 ft (KB)

2804.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: psig @ 3862.00 ft (KB)

Start Date: 2014.11.13

End Date:

2014.11.13

Start Time: 07:35:15

End Time:

20:14:15

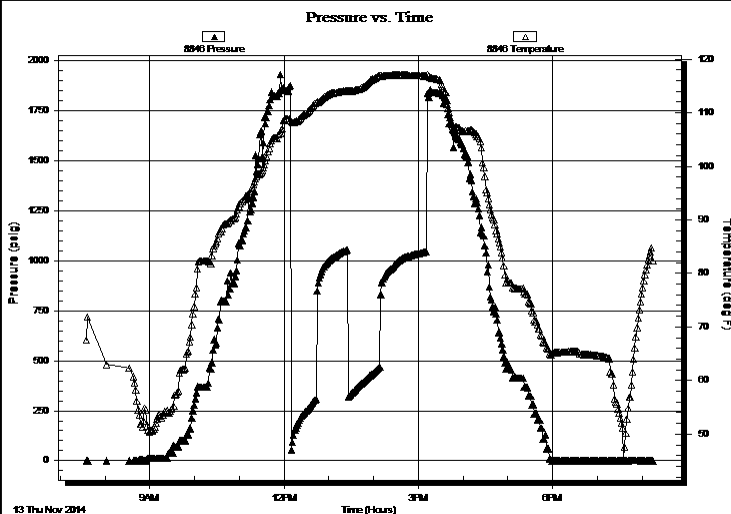
Capacity: 8000.00 psig

Last Calib.: 2014.11.13

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 4 min.
IS:No return blow
FF:BOB in 7 min.
FS:No return blow

Time
(Min.)

Pressure
(psig)

Temp
(deg F)

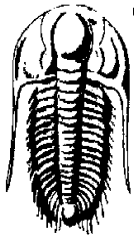
Annotation

Recovery

Length (ft)	Description	Volume (bbl)
248.00	mcw 30%m 70%w	0.00
186.00	w cm 40%w 60%w with a trace of oil	2.61
496.00	mud w ith oil spots 100%m	6.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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FLUID SUMMARY

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

MSJ Penner 28 3

Shreveport LA

Job Ticket: 59217

DST#: 1

71136

Test Start: 2014.11.13 @ 07:35:15

ATTN: Kurt Talbott

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

15000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	mcw 30%m 70%w	0.000
186.00	w cm 40%w 60%m with a trace of oil	2.609
496.00	mud with oil spots 100%m	6.958

Total Length: 930.00 ft

Total Volume: 9.567 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

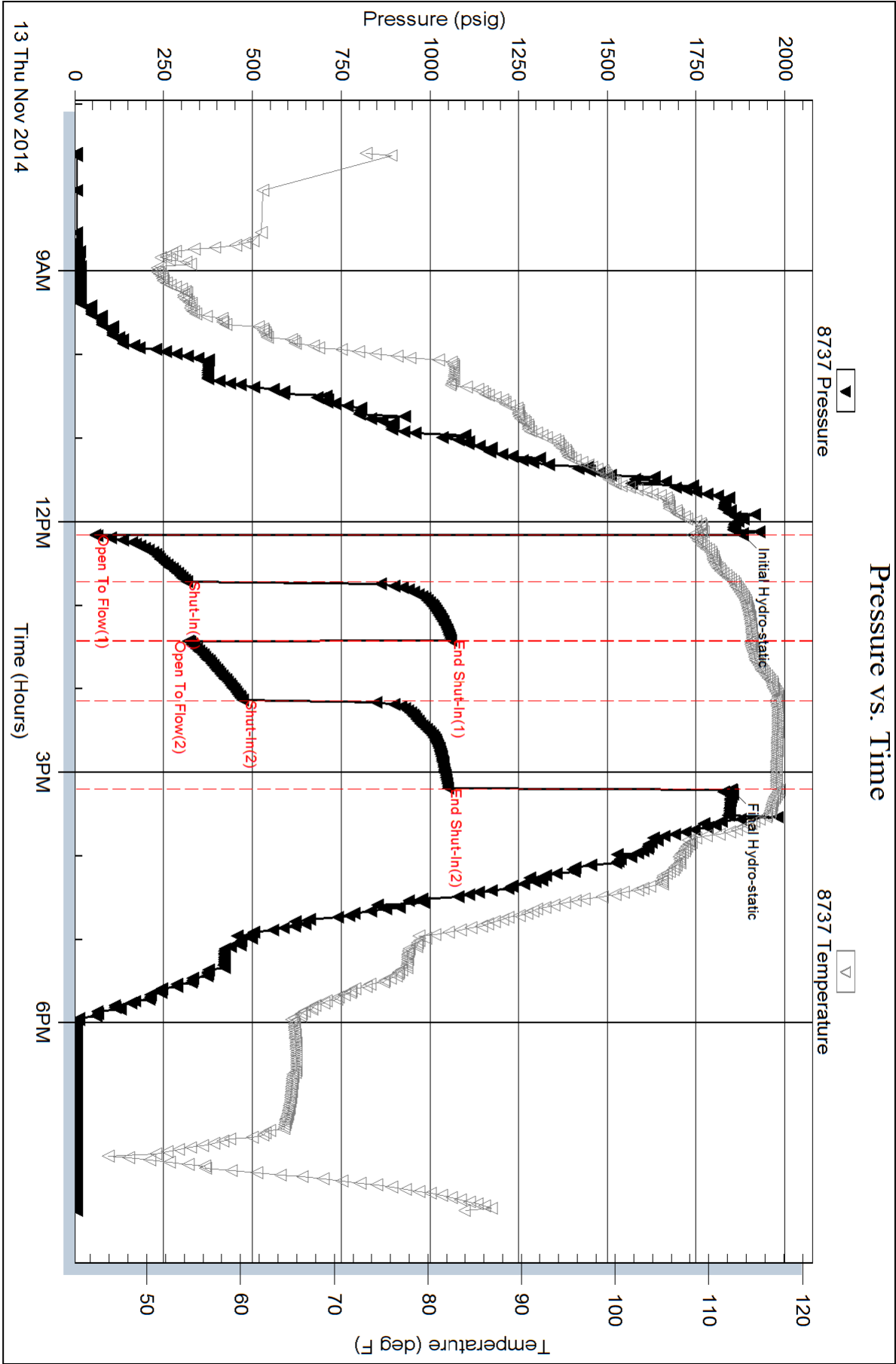
Recovery Comments: RW= .63@61.4*= 15,000 ppm

Serial #: 8737

Outside O'Brien Resources LLC

MSU Penner 28 3

DST Test Number: 1



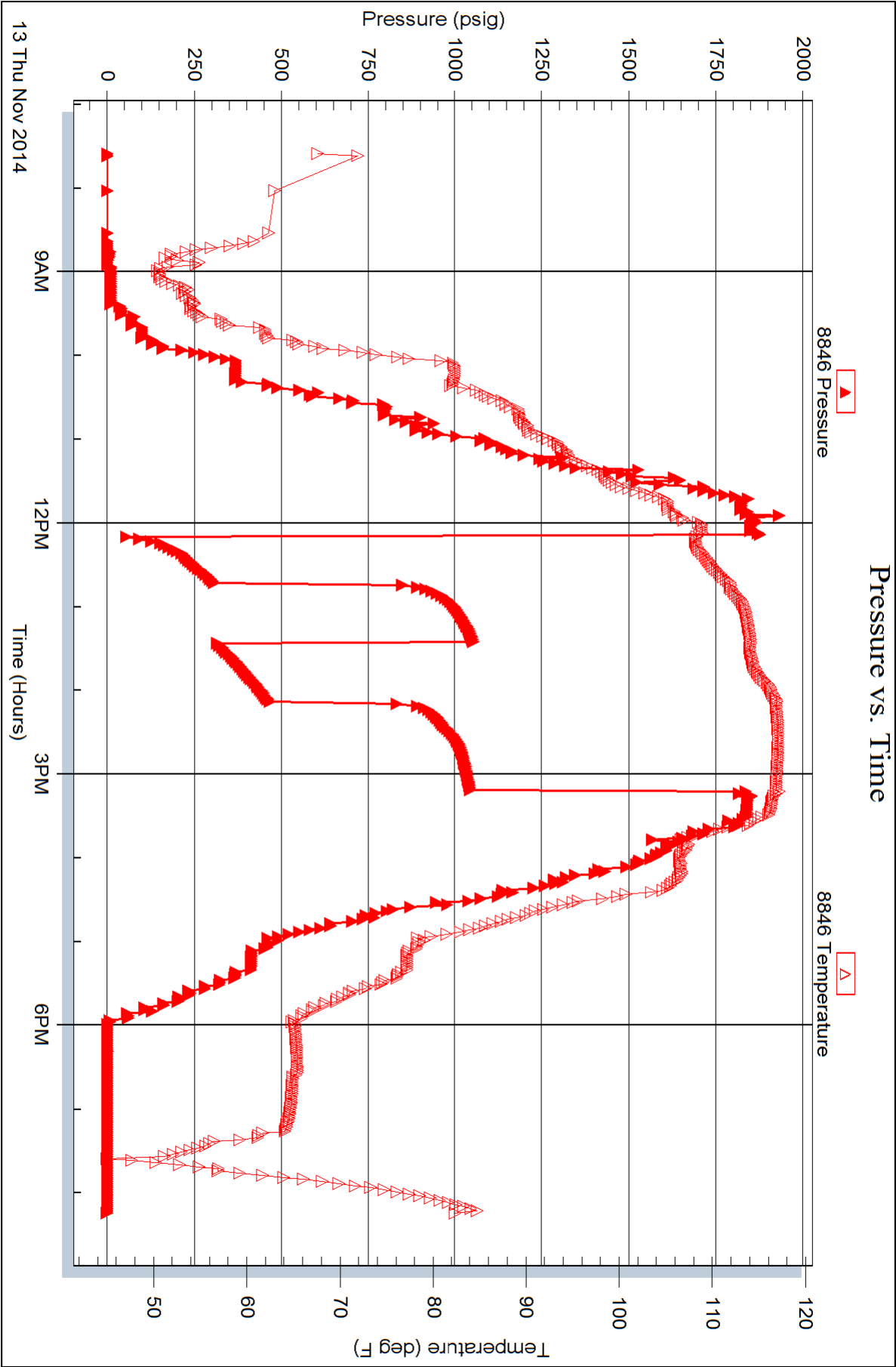
Serial #: 8846

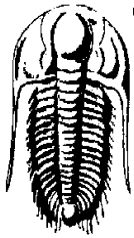
Inside

O'Brien Resources LLC

MSJ Penner 28 3

DST Test Number: 1





TRILOBITE
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DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 56578

DST#: 2

Test Start: 2014.11.15 @ 02:28:00

GENERAL INFORMATION:

Formation: **Lower Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:35:45

Time Test Ended: 22:18:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 65

Interval: 4070.00 ft (KB) To 4190.00 ft (KB) (TVD)

Total Depth: 4190.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2811.00 ft (KB)

2798.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8737 Outside

Press@RunDepth: 890.03 psig @ 4071.00 ft (KB)

Start Date: 2014.11.15

End Date:

2014.11.15

Start Time: 02:28:15

End Time:

22:18:45

Capacity: 8000.00 psig

Last Calib.: 2014.11.15

Time On Btm: 2014.11.15 @ 10:35:15

Time Off Btm: 2014.11.15 @ 13:08:00

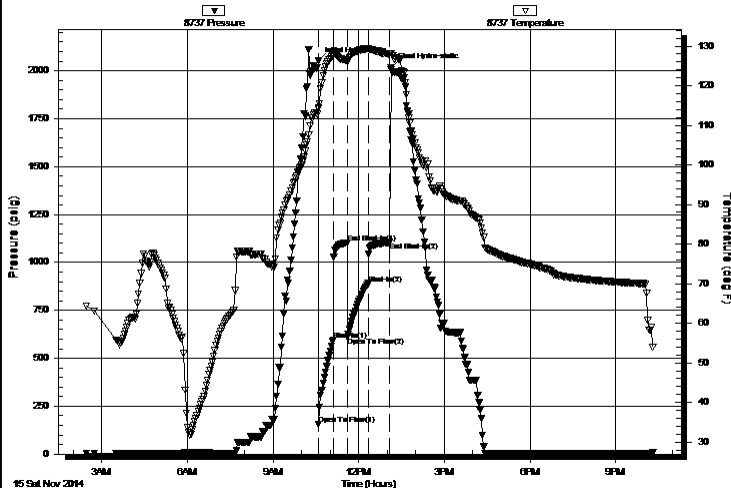
TEST COMMENT: IF: B.o.b. in 1 min. 45 sec.

IS: Bled off in 2 min.-No return

FF: B.o.b. in 2 1/2 min.

FS: Bled off in 2 min.-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2050.80	114.51	Initial Hydro-static
1	155.51	114.18	Open To Flow (1)
31	595.11	127.62	Shut-In(1)
60	1103.51	126.46	End Shut-In(1)
61	610.12	126.17	Open To Flow (2)
105	890.03	129.34	Shut-In(2)
151	1104.67	127.92	End Shut-In(2)
153	2018.34	128.10	Final Hydro-static

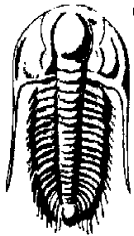
Recovery

Length (ft)	Description	Volume (bbl)
941.00	Mcw 30m 70w w/traces of oil	10.94
630.00	G & Ocm & W 5g 5o 25m 65w	8.84
131.00	Mud 100m w/oil spots	1.84
0.00	RW .052 @ 45=19000	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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* Recovery from multiple tests



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FLUID SUMMARY

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 56578

DST#: 2

Test Start: 2014.11.15 @ 02:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.20 in³

Resistivity: 0.00 ohm.m

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

19000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
941.00	Mcw 30m 70w w/traces of oil	10.941
630.00	G & Ocm & W 5g 5o 25m 65w	8.837
131.00	Mud 100m w/oil spots	1.838
0.00	RW .052 @ 45=19000	0.000

Total Length: 1702.00 ft

Total Volume: 21.616 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8737

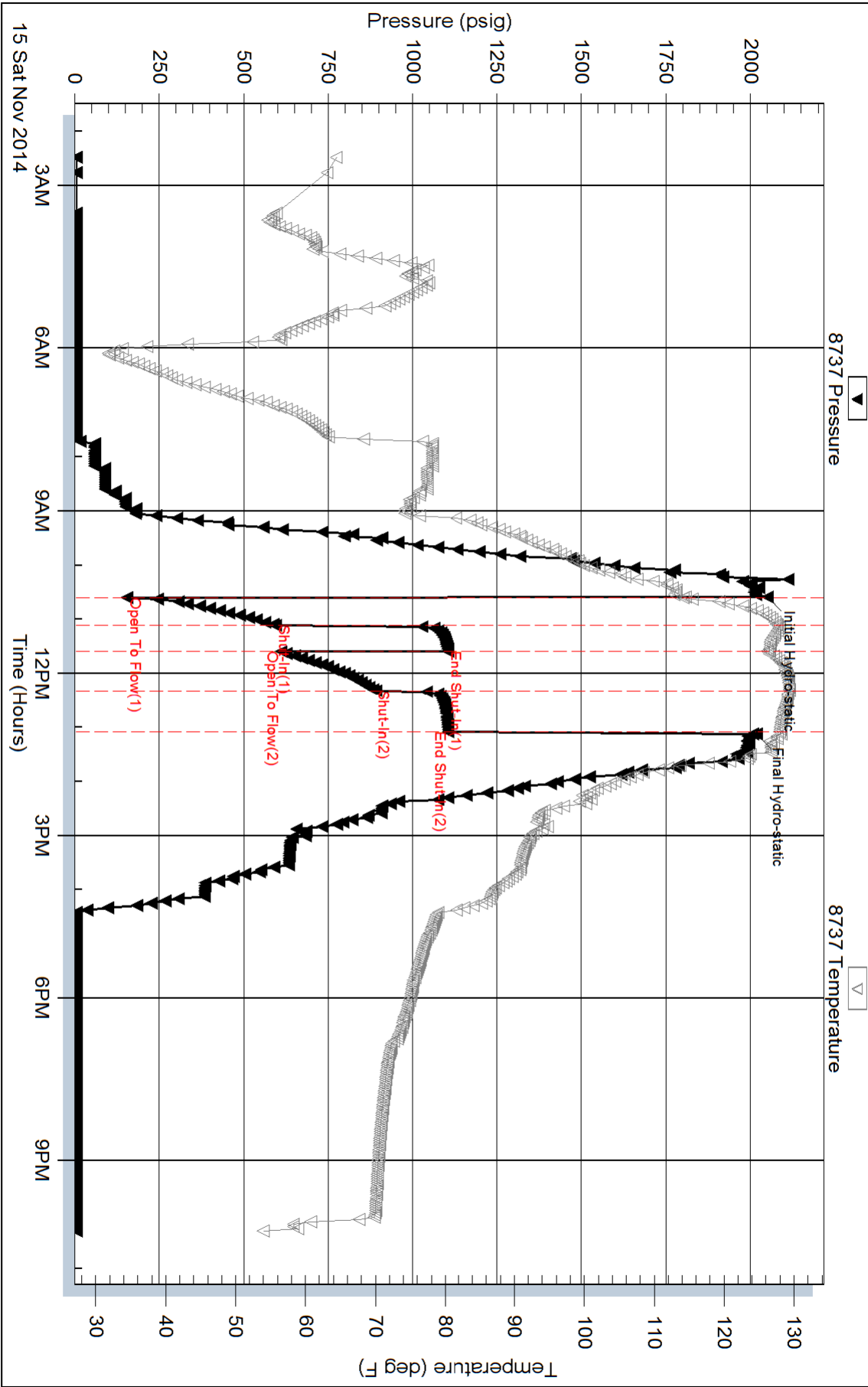
Outside

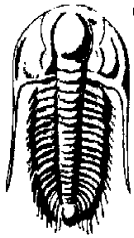
O'Brien Resources LLC

MSJ Penner 28 3

DST Test Number: 2

Pressure vs. Time





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DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 56579

DST#: 3

Test Start: 2014.11.17 @ 05:21:00

GENERAL INFORMATION:

Formation: **Ft. Scott-Myric Stat**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:48:45

Time Test Ended: 20:21:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 65

Interval: 4334.00 ft (KB) To 4406.00 ft (KB) (TVD)

Total Depth: 4406.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2811.00 ft (KB)

2798.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8737 Outside

Press@RunDepth: 35.20 psig @ 4336.00 ft (KB)

Start Date: 2014.11.17

End Date:

2014.11.17

Start Time: 05:21:15

End Time:

20:21:30

Capacity: 8000.00 psig

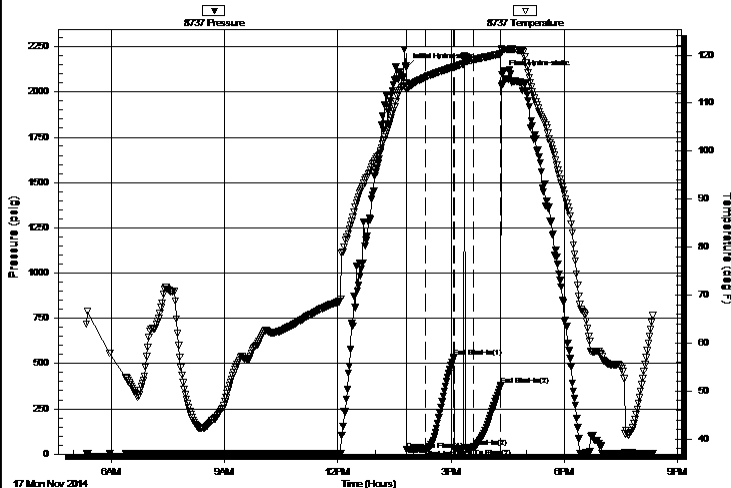
Last Calib.: 1899.12.30

Time On Btm: 2014.11.17 @ 13:48:30

Time Off Btm: 2014.11.17 @ 16:20:45

TEST COMMENT: IF: Weak surface blow throughout open
IS: No return
FF: No blow-flushed tool @ 10 min.-Good surge-no blow
FS: No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.23	114.32	Initial Hydro-static
1	23.11	112.87	Open To Flow (1)
31	28.36	115.36	Shut-In(1)
76	535.82	117.53	End Shut-In(1)
77	29.81	117.46	Open To Flow (2)
107	35.20	119.02	Shut-In(2)
151	379.07	120.25	End Shut-In(2)
153	2096.73	120.82	Final Hydro-static

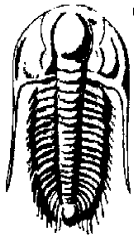
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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* Recovery from multiple tests



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FLUID SUMMARY

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28-14s-30w Gove Co

P.O.Box 6149

MSJ Penner 28 3

Shreveport LA

Job Ticket: 56579

DST#: 3

71136

Test Start: 2014.11.17 @ 05:21:00

ATTN: Kurt Talbott

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

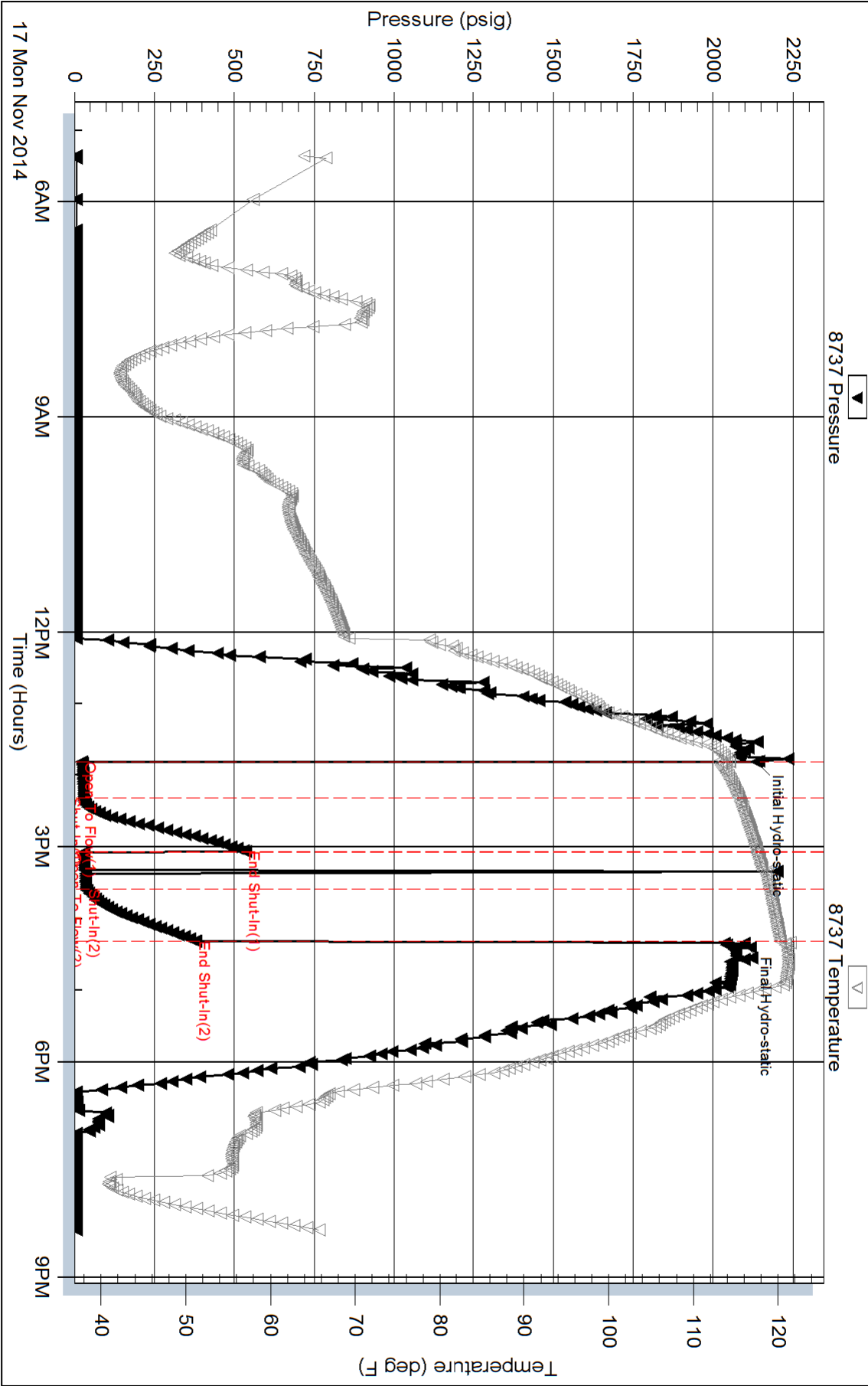
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149
Shreveport LA
71136
ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 59218

DST#: 4

Test Start: 2014.11.19 @ 11:14:15

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:06:00

Time Test Ended: 21:32:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4453.00 ft (KB) To 4525.00 ft (KB) (TVD)

Reference Elevations: 2811.00 ft (KB)

Total Depth: 4650.00 ft (KB) (TVD)

2798.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8737 Outside

Press@RunDepth: 1126.90 psig @ 4459.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.19

End Date:

2014.11.19

Last Calib.: 2014.11.19

Start Time: 11:14:15

End Time:

21:32:45

Time On Btm: 2014.11.19 @ 16:05:45

Time Off Btm: 2014.11.19 @ 18:08:00

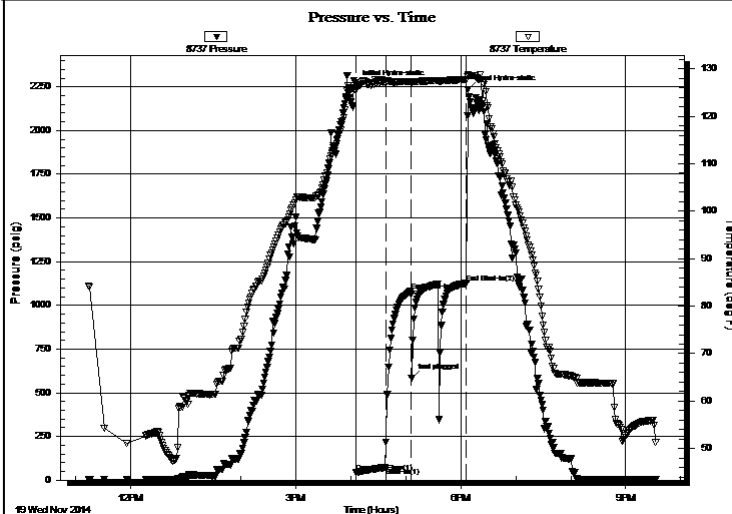
TEST COMMENT: IF:Weak surface blow and died in 3 min.

IS:No return blow

FF:No blow

FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.61	127.13	Initial Hydro-static
1	42.82	125.47	Open To Flow (1)
33	72.65	127.49	Shut-In(1)
61	1082.95	127.30	End Shut-In(1)
61	582.56	127.05	tool plugged
121	1126.90	127.71	End Shut-In(2)
123	2232.82	128.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	mud 100% m	0.31

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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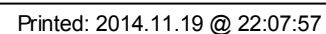
* Recovery from multiple tests



Test Start: 2014.11.19 @ 11:14:15

KB to GR/CF: 13.00 ft

FS:No return blow





TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 59218

DST#: 4

Test Start: 2014.11.19 @ 11:14:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 9.17 in³

Resistivity: 0.00 ohm.m

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	mud 100% m	0.310

Total Length: 63.00 ft

Total Volume: 0.310 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

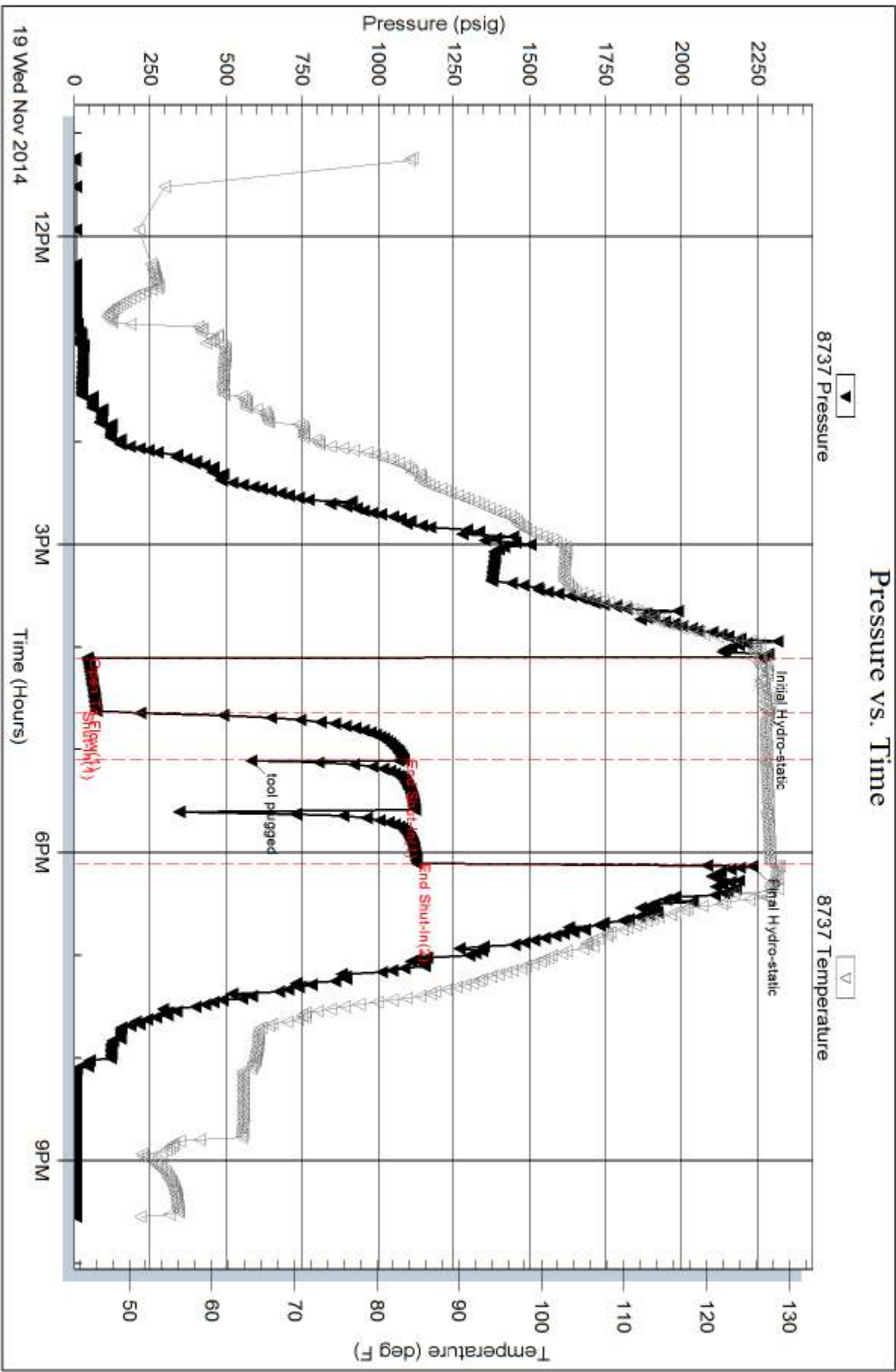
Recovery Comments:

Serial #: 8737

Outside O'Brien Resources LLC

MSU Penner 28 3

DST Test Number: 4



Serial #: 8646

Below (Straddle) Resources LLC

MSJ Penner 28 3

DST Test Number: 4

